

Press release

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Reducing operating costs sustainably: Wilo presents innovative energy efficiency solution at ISH in Frankfurt

Comprehensive system analysis to reduce operating costs and CO₂ emissions

Dortmund/Frankfurt. As one of the world's leading suppliers of pumps and pump systems for building services, water management and the industrial sector, Wilo is presenting its forward-looking Wilo-Energy Audit¹ for the first time at ISH in Frankfurt. This pioneering service helps building operators, industrial companies, and utility providers sustainably reduce their operating costs while making a crucial contribution to climate protection.

Unlike a conventional pump check, the Wilo-Energy Audit examines not just individual pumps but the entire pump system, including control technology, manifold systems, and hydraulic conditions. It also identifies potential system issues, such as over dimensioning or under dimensioning, outdated inefficient technology, and associated susceptibility to faults. The goal is a comprehensive analysis of total operating costs, identifying potential efficiency gains, and long-term reduction of energy consumption and costs. Simultaneously, the Wilo-Energy Audit serves as an effective measure to achieve the operator's sustainability goals.

Efficient process - from analysis to implementation

The Wilo-Energy Audit follows a structured process designed to make it as easy as possible for building operators. Initially, an on-site inspection is conducted to analyse the existing pump system and gather relevant operational data. Wilo then performs detailed data and potential analyses through measurements and calculations. Based on these insights, a customised optimisation concept is developed, including specific measures for energy savings. Upon the operator's approval, the implementation phase begins, which may include coordination of pump replacements, installation of new systems, and their commissioning.

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Finally, ongoing support through follow-up maintenance and optional warranty packages ensures long-term efficiency and security.

Concrete savings potentials and quick amortisation

The Wilo-Energy Audit reveals where and how energy can be used more efficiently. Early implementations of this efficient offering are proving highly successful: For instance, a company in the food industry reduced its energy costs by more than €30,000 annually and cut CO₂ emissions by approximately 110,000 kilograms by replacing 37 outdated pumps with smart pumps. The investment paid off within three years. Another example from the healthcare sector shows that replacing just two over dimensioned pumps can lead to annual savings of €30,000, with an amortisation period of less than a year.

The potential for operators quickly becomes apparent. Pump systems are essential components of building services and account for around 10 per cent of global electricity consumption. According to the European Commission, buildings are responsible for 36 per cent of CO₂ emissions and 40 per cent of energy consumption in the EU.² A climate-secure future is unthinkable without decarbonising existing buildings. However, many buildings today consume between 20 and 50 per cent more energy than necessary. The Wilo-Energy Audit allows building operators to systematically exploit this optimisation potential, sustainably reduce operating costs, and actively contribute to reducing CO₂ emissions.

¹ The Wilo-Energy Audit is independent of other energy audits that companies are required to carry out under local legislation.

²Source: [Im Blickpunkt – Energieeffizienz von Gebäuden - Europäische Kommission](#)

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Image:



Caption: With this new Wilo-Energy Audit¹ service, the pump and pump system manufacturer supports building operators, industrial companies, and utility providers in sustainably reducing their operating costs while making a crucial contribution to climate protection. Source: WILO SE

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Image:



Caption: A successful example of the Wilo-Energy Audit¹ from the healthcare sector demonstrates that simply replacing two over dimensioned pumps can result in annual savings of €30,000, with an amortisation period of less than a year. Source: WILO SE

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About Wilo:

The Wilo Group is one of the world's leading premium suppliers of pumps and pump systems for building services, water management and the industrial sector. In the last decade, we have evolved from a hidden to a visible and connected champion. Wilo employs around 9,000 people around the globe today. With innovative solutions, smart products and individual services, we provide the intelligent, efficient and environmentally friendly service of keeping water flowing. We already are the digital pioneer within the industry with our products and solutions, processes and business models.

For more information, go to www.wilo.com